



The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No. PCT/GR2005/000010

International Filing Date. 12.04.2005

PCT INTERNATIONAL APPLICATION  
ΔΙΕΘΝΗΣ ΑΙΤΗΣΗ  
Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum)

Box No. I	TITLE OF INVENTION	
	Device converting thermal energy into kinetic one by using spontaneous isothermal gas aggregation	
Box No. II	APPLICANT <input checked="" type="checkbox"/> This person is also inventor	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		Telephone No. 0030-210-6452114
KARYAMBAS Nicholas 12 Bousgou Str. GR - 114 73 Athens GREECE		Facsimile No.
		Teleprinter No.
		Applicant's registration No. with the Office
State (that is, country) of nationality: GR		State (that is, country) of residence: GR
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box		
Box No. III	FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is:
		<input type="checkbox"/> applicant only
		<input type="checkbox"/> applicant and inventor
		<input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)
		Applicant's registration No. with the Office
State (that is, country) of nationality:		State (that is, country) of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box		
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.		
Box No. IV	AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:		<input type="checkbox"/> agent <input type="checkbox"/> common representative
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		Telephone No.
		Facsimile No.
		Teleprinter No.
		Agent's registration No. with the Office
<input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.		

**Box No. V DESIGNATIONS**

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.

However,

- ☐ DE Germany is not designated for any kind of national protection
- ☐ KR Republic of Korea is not designated for any kind of national protection
- ☐ RU Russian Federation is not designated for any kind of national protection

*(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)*

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 27April 2004 (27.04.2004)	20040100148	GR		
item (2)				
item (3)				

- ☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (*only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office*) identified above as:

- ☐ all items      ☐ item (1)      ☐ item (2)      ☐ item (3)      ☐ other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . . .

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (*if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used*):

ISA / . . . . .

Request to use results of earlier search; reference to that search (*if an earlier search has been carried out by or requested from the International Searching Authority*):

Date (day/month/year)      Number      Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (*mark the applicable check-boxes below and indicate in the right column the number of each type of declaration*):

- |   |  | Number of<br>declarations |
|---|--|---------------------------|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | :                         |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | :                         |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | :                         |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | :                         |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | :                         |

**Box No. IX CHECK LIST; LANGUAGE OF FILING**

This international application contains:

(a) in paper form, the following number of sheets:

request (including  
declaration sheets) : 3  
description (excluding  
sequence listing and/or  
tables related thereto) : 11  
claims : 1  
abstract : 1  
drawings : 7

Sub-total number of sheets :

sequence listing :

tables related thereto :

(for both, actual number of  
sheets if filed in paper form,  
whether or not also filed in  
computer readable form;  
see (c) below)

Total number of sheets : 23

(b) ☐ only in computer readable form  
(Section 801(a)(i))(i) ☐ sequence listing(ii) ☐ tables related thereto(c) ☐ also in computer readable form  
(Section 801(a)(ii))(i) ☐ sequence listing(ii) ☐ tables related thereto

Type and number of carriers (diskette,  
CD-ROM, CD-R or other) on which are  
contained the

☐ sequence listing: .....☐ tables related thereto: .....

(additional copies to be indicated under  
items 9(ii) and/or 10(ii), in right column)

This international application is accompanied by the following  
item(s) (mark the applicable check-boxes below and indicate in  
right column the number of each item):

1. ☐ fee calculation sheet :  
2. ☐ original separate power of attorney :  
3. ☐ original general power of attorney :  
4. ☐ copy of general power of attorney; reference number,  
if any: ..... :  
5. ☐ statement explaining lack of signature :  
6. ☐ priority document(s) identified in Box No. VI as  
item(s): ..... :  
7. ☐ translation of international application into  
(language): ..... :  
8. ☐ separate indications concerning deposited microorganism  
or other biological material :  
9. ☐ sequence listing in computer readable form  
(indicate type and number of carriers)  
(i) ☐ copy submitted for the purposes of international search under  
Rule 13ter only (and not as part of the international application) :  
(ii) ☐ (only where check-box (b)(i) or (c)(i) is marked in left column)  
additional copies including, where applicable, the copy for the  
purposes of international search under Rule 13ter :  
(iii) ☐ together with relevant statement as to the identity of the copy or  
copies with the sequence listing mentioned in left column :  
10. ☐ tables in computer readable form related to sequence listing  
(indicate type and number of carriers)  
(i) ☐ copy submitted for the purposes of international search under  
Section 802(b-quater) only (and not as part of the international  
application) :  
(ii) ☐ (only where check-box (b)(ii) or (c)(ii) is marked in left column)  
additional copies including, where applicable, the copy for the  
purposes of international search under Section 802(b-quater) :  
(iii) ☐ together with relevant statement as to the identity of the copy or  
copies with the tables mentioned in left column :  
11. ☐ other (specify): ..... :

Number  
of itemsFigure of the drawings which  
should accompany the abstract:

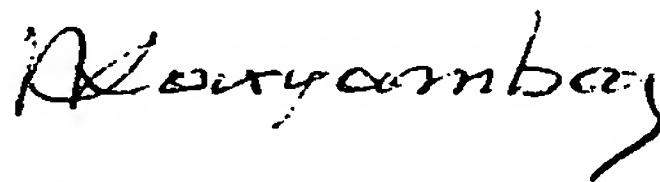
Fig.5

Language of filing of the  
international application:

English

**Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).



Nicholas Karyambas

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1. Date of actual receipt of the purported  
international application:

12 April 2005 (12.04.2005)

3. Corrected date of actual receipt due to later but  
timely received papers or drawings completing  
the purported international application:4. Date of timely receipt of the required  
corrections under PCT Article 11(2):5. International Searching Authority  
(if two or more are competent):

ISA / E.P.O

6. ☐ Transmittal of search copy delayed  
until search fee is paid

2. Drawings:

☒ received:☐ not received:

For International Bureau use only

Date of receipt of the record copy  
by the International Bureau: